

[Name of Document] Abstract

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[Object] There is provided a ferrule which has a fiber fixed hole into which an optical fiber can be inserted easily without being broken and which can provide a sufficient fiber bonding strength, and which can restrain variations in connection loss caused by the temperature variations.

[Constitution] A ferrule 10 is provided with two alignment pin holes 10a into which alignment pins for positioning with respect to a mating ferrule are inserted, and a plurality of fiber fixed holes H formed at predetermined intervals between the alignment pin holes to insert optical fibers. Each of the fiber fixed holes H has at least a fiber guide hole 10d for guiding the optical fiber, a fiber hole 10c connected with the fiber guide hole 10d to accommodate the tip end of the optical fiber, and a fiber insertion hole 10e connected with the fiber guide hole 10d to introduce the optical fiber into the ferrule. A connecting portion of the fiber guide hole 10d and the fiber insertion hole 10e is formed into a taper shape. And the fiber insertion hole 10e is formed so as to introduce the sheathed portion of individual optical fiber.

[Selected Figure] FIG. 2